

### **Abstract**

The present invention belongs to the field of pharmaceutical industry and relates to a new method for the treatment of psychostimulant addiction, in particular cocaine addiction, or pharmaceutically acceptable acid addition salts thereof, with a therapeutically effective amount of 9,10-didehydro-N-methyl-N-(2-propyl-nyl)-6-methyl-8 $\beta$ -aminomethylergoline in the form of free base or in the form of pharmaceutically acceptable addition salt, in particular the bimalate salt, as well as pharmaceutical compositions containing said compound. In literature, the compound is also known under code LEK-8829. More particularly, present invention relates to a novel method of treatment for reduction of abstinence symptoms after cocaine withdrawal and for suppression the symptoms of craving for cocaine withdrawal and for suppression the symptoms of craving for cocaine reinforcement, and to the use of said active substance for the preparation of the pharmaceutical composition for the treatment of cocaine addiction. In addition to the treatment of cocaine addiction, the present invention also relates to the method for treatment of the addiction with amphetamine, methamphetamine, dextroamphetamine, 3,4-methylenedioxymethamphetamine and pemoline or acid addition salts thereof.